

Claims:

1. A urea based granule blend configured for ice-melting and reducing granule caking, said blend comprising:

5 substantially pure urea granules comprising an ice-melting property; and

formaldehyde coated urea granules configured for reducing granule caking;

wherein said blend is configured for said ice-melting when in use and
10 reducing granule caking when in storage.

2. The granule blend as claimed in claim 1 wherein a ratio of said substantially pure urea granules to said formaldehyde coated urea granules is adjustable to provide a formaldehyde coated urea granules rich blend being optimised for substantially reducing granule caking during storage of said granule blend.

3. The granule blend as claimed in claim 1 wherein a ratio of said substantially pure urea granules and said formaldehyde coated urea granules is adjustable to provide a substantially pure urea granules rich blend being optimised for said ice-melting.

4. The granule blend as claimed in claim 1 wherein said substantially pure urea granules catalyse said ice-melting by said formaldehyde coated urea granules.

5. The granule blend as claimed in claim 1 wherein said granules are prills.

30 6. The granule blend as claimed in claim 1 wherein said granule blend is used for ice-melting on paths or steps or drives.

7. A method of preparing a urea based granule blend configured for ice-melting and reducing granule caking, said method comprising:

mixing substantially pure urea granules comprising an ice-melting property
5 with formaldehyde coated urea granules configured for reducing granule caking;

wherein said blend is configured for said ice-melting when in use and
reducing granule caking when in storage.

10 8. The method as claimed in claim 7 further comprising:

storing said granule blend in a hand-held dispenser configured to dispense
said granule blend.

15 9. The method as claimed in claim 7 further comprising:

dispensing said granule blend from said hand-held dispenser by a shaking
of said dispenser by a user.

20 10. The method as claimed in claim 7 further comprising:

adjusting a ratio of said substantially pure urea granules to said
formaldehyde coated urea granules so as to provide said granule blend being
optimised for reducing granule caking during granule blend storage, said granule
blend being formaldehyde coated urea granules rich.
25

11. The method as claimed in claim 7 further comprising:

adjusting a ratio of said substantially pure urea granules to said
30 formaldehyde coated urea granules so as to provide said granule blend being
optimised for ice-melting, said granule blend being substantially pure urea
granules rich

12. The method as claimed in claim 7 wherein said granules are prills.

13. A method of ice-melting using a urea based granule blend, said method comprising:

5

mixing substantially pure urea granules comprising an ice-melting property with formaldehyde coated urea granules;

10 reducing a caking of said granules using said formaldehyde coated urea granules;

initiating said ice-melting using said substantially pure urea granules; and

15 activating said formaldehyde coated urea granules for ice-melting following said initiating of said ice-melting using said substantially pure urea granules.

14. The method as claimed in claim 13 further comprising:

storing said granule blend in a dispenser; and

20

dispensing said granule blend as a free-flowing granule blend from said dispenser.

15. The method as claimed in claim 14 wherein said dispenser is a
25 hand-held dispenser, said dispensing of said granule blend from said dispenser comprising:

a user shaking said hand-held dispenser.

30 16. The method as claimed in claim 13 further comprising:

optimising said granule blend for ice-melting by:

adjusting a ratio of said substantially pure urea granules to said formaldehyde coated urea granules to provide a substantially pure urea granules rich granule blend.

5 17. The method as claimed in claim 13 further comprising:

optimising said granule blend for reducing granule caking during granule blend storage by:

10 adjusting a ratio of said substantially pure urea granules to said formaldehyde coated urea granules to provide a formaldehyde coated urea granules rich granule blend.

18. The method as claimed in claim 13 wherein said granules are prills.

15 19. The method as claimed in claim 13 further comprising:

melting ice using said granule blend on paths or steps or drives.

20 20. A hand-held dispenser being configured to dispense a urea based granule blend configured for ice-melting and reducing granule caking, said blend comprising:

25 substantially pure urea granules comprising an ice-melting property; and formaldehyde coated urea granules configured for reducing granule caking;

wherein said blend is configured for said ice-melting when in use and reducing granule caking when in storage.

30 21. The hand-held dispenser as claimed in claim 20 wherein said dispenser is configured to dispense said granule blend by a shaking of said dispenser by a user.

22. The hand-held dispenser as claimed in claim 20 wherein said dispenser is configured to dispense said granule blend as a free-flowing granule blend.